



Land Use and Land Cover Change Science Planning Workshop

**An open workshop sponsored by the
Land Use and Land Cover Change Interagency Working Group
United States of America**

**19-21 November 2003
Washington, D.C.**

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Workshop Agenda – Schedule of Sessions

Wednesday November 19, 2003- Kerby Seminar Room, Natural History Museum

- 1:00 *Welcome and Introduction*, Richard Moss
 – *Workshop goals and purpose of document*, Chris Justice
 – *Strategic Plan, role of stakeholders, and policy linkages*, Richard Aspinall
- 2:00 *Deliverables from Strategic Plan*, Tom Loveland
- 2:10 Participants provide feedback on Land Cover chapter of strategic plan
 Chair: Tom Loveland
- 3:10 Break
- 3:30 *Outline and relationship of science strategy to agencies*, Garik Gutman
- 3:40 Full Group Develops/Refines an Outline for the Implementation Plan
 Chair: Garik Gutman
- 4:40 *Science Strategy Content*, Keya Chatterjee
- 6:00-8:00 Group Dinner

Thursday November 20, 2003, International Gallery, Ripley Center

- 8:30 *Charge to breakout groups*, Richard Aspinall
- 8:45 Breakout: Groups work on substance of implementation plan for their respective sections. Groups review deliverables within each section and discuss priorities.
- 10:30 Break
- 10:45 Report back and discussion on breakouts
- 12:00 Lunch
- 1:30 *Charge to breakout groups*, Chris Justice
- 1:45 Breakout: Groups begin drafting their chapters of the implementation plan and develop a schedule of assignments for completion of their chapters.

 Concurrent Breakout on program implementation
- 5:00 Prepare to report back to group
- 6:00-10:00 Evening meeting of cross-cutting representatives (Section 7)

Meeting rooms available for writing (TBD)

Friday November 21, 2003

8:30 Report back

10:00 Break

10:15 Plenary discussion on content of Chapter 7
Chair: TBD

11:30 Next Steps and Closing remarks, Chris Justice

Workshop ends 12 p.m.

(Meeting room available 1:30-5:00 for writing. Annotated outline for chapters due by COB Friday, draft chapter due by COB December Friday December 5.)

Workshop Goals and Objectives

Summary

This workshop brings together managers from the federal agencies, scientists from the research community, and stakeholders from various sectors to produce a science strategy for reaching the goals outlined in the land use and land cover change chapter of the CCSP Strategic Plan. The workshop is designed to: share thoughts on the strategic plan, identify priorities for implementation based on the state of the science and the policy and management requirements, and develop a document containing a science strategy.

Philosophy

The workshop provides an excellent opportunity to have a group of scientists familiar with the LULCC research needs of both the global change community and the federal agencies to provide their comments on the LULCC strategic plan chapter and to prioritize the science goals for the benefit of both groups. At the same time, stakeholders will have the opportunity to further fine-tune the research objectives so that their needs are met. The most visible result of the workshop will be the generation of a science strategy. In addition, the collaboration of the LULCC strategic planning team with scientists and stakeholders should result in a core advocacy group that can work together to promote the funding of LULCC research.

Workshop Goal

Prepare a science strategy for achieving the goals described in the Land Use and Land Cover Change chapter of the USGCRP/CCRI Strategic Plan. A secondary goal is to evaluate the completeness of the LULCC research strategy.

Implementation Plan Development

In advance of the workshop it will be important for participants to evaluate the LULCC chapter of the strategic plan and formulate ideas concerning program implementation. We have provided a draft outline for the science strategy and would like your help refining this framework for developing the strategy. Our goal should be to have a complete draft of the science strategy within two weeks of the workshop.

Objectives

- Identify gaps in the research strategy
- Outline recommended implementation steps for each research question and product
- Prioritize research outputs and program deliverables
- Focus results on stakeholder needs and priorities

Format and Schedule

The workshop takes place over 3 days and features a combination of plenary sessions and breakout sessions. A Wednesday evening group dinner provides an additional opportunity to share ideas in an informal setting. All participants will contribute in breakout groups and to the development of the science implementation plan.

Venue: The workshop is in Washington, D.C. November 19-21 at the Smithsonian. The most convenient Metro stop for both venues is the Smithsonian metro on the Orange and Blue lines.

On November 19 we will meet in the **Kerby seminar room at the Natural History Museum, Room 340.**

(To get to the Kerby seminar room, come in the Constitution Ave entrance of the Natural History Museum, get a visitor tag, and proceed left through the double doors. Before getting to the second set of double doors, turn right and zig-zag down the hallway until you reach the elevators. Go to the 3rd floor and turn right out of the elevator and then bear left to room 340.)

On Nov 20 and 21 we will meet in the **International Gallery at the Ripley Center, Room 3111.**

(S. Dillon Ripley Center 1100 Jefferson Drive S.W., Washington, D.C. Located on the third level of the underground museum, research and education complex, beneath the Enid A. Haupt Garden. Participants will be required to pick up visitor tags from the guards' desk before entering. To get to room 3111, go in the Ripley Center -International Gallery entrance kiosk, and take the elevator down three levels to the underground gallery and proceed straight forward about 30 meters and room 3111 will be on the right.)

Website for the METRO system: <http://www.wmata.com/>

Smithsonian website: <http://www.si.edu/>

Individual attendees should organize their own accommodations. If you have any questions, please contact your federal agency program manager.

Nearby hotels include:

Holiday Inn
550 C Street, S.W.
Washington DC 20024
1-800-465-4329 or 202-479-4000

Courtyard Marriott Convention Center
900 F Street, N.W.
Washington DC 20037
202-638-4600 or 1-800-784-1180

Workshop Organizing Committee

Richard Aspinall, NSF/Montana State	(406) 994 3331
Marilyn Buford, USDA US Forest Service	(703) 605-5176
Keya Chatterjee, NASA Headquarters	(202) 358-4746
Dan Cole, Smithsonian, Museum of Natural History	(202) 357-1955
Garik Gutman, NASA Headquarters,	(202) 358-0276
Chris Justice, University of Maryland,	(301) 405-3263
Tom Loveland, USGS EDC,	(605) 594-6066
Doug Muchoney, USGS,	(703) 648-6883
Catriona Rogers, EPA,	(202) 564-3391
Bryce Stokes, USDA US Forest Service,	(703) 605-5263
Julie Thomas, National Park Service,	(202) 513-7182

Breakout Groups

Group 1: Group one will draft the section of the science strategy focused on the first two questions of the strategic plan (tools & drivers).

Ralph Alig
Ruth Defries/John Townshend
Chris Justice
Ron Rindfuss
Bob Thompson
Emilio Moran
Gerald Talbert

Federal Participants: Tom Loveland, Bryce Stokes, Dan Cole

Group 2: Group two will draft the section of the science strategy focused on the third question of the strategic plan (prediction).

Richard Aspinall
Dan Brown
Nancy Bockstael
Eric Vance
Jackie Geoghegan
Paul Wadell

Federal Participants: Greg Chu, Marilyn Buford

Group 3: Group three will draft the section of the science strategy focused on the fourth question in the strategic plan (Climate feedbacks)

John Mustard
Dennis Ojima
Brent Yarnal
Doug Norton

Federal Participants: Garik Gutman

Group 4: Group four will draft the section of the science strategy focused on the fifth question in the strategic plan (Consequences)

Andy Hansen
Bruce Jones
Dave Skole
Don Weller
Jess Parker
Julie Thomas
Bill Becker
Krysta Harden

Federal Participants: Catriona Rogers, Nancy Beller-Simms

Please evaluate the usefulness of this outline

Draft Outline for Science Strategy

Section 1 Introduction
 Rationale
 Program goals
 Scientific questions
 Research elements

Implementation of science objectives outlined in strategy

Ch. 2 Tools
 Implementation Steps
 Steps to address cross-cutting issues
 Prioritization
 Timeline and costs

Ch.3 Drivers
 Implementation Steps
 Steps to address cross-cutting issues
 Prioritization
 Timeline and costs

Ch. 4 Prediction
 Implementation Steps
 Steps to address cross-cutting issues
 Prioritization
 Timeline and costs

Ch. 5 Climate Feedbacks
 Implementation Steps
 Steps to address cross-cutting issues
 Prioritization
 Timeline and costs

Ch. 6 Consequences
 Implementation Steps
 Steps to address cross-cutting issues
 Prioritization
 Timeline and costs

Ch. 7 An Integrated Land Cover and Land Use Change Program
 Priorities for Integration
 Timeline and costs